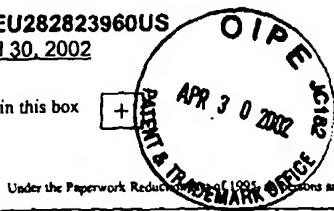


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Modified Form 1449/PTO		Application Number	10/051,874
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		First Named Inventor	Padigaru
		Group Art Unit	1635 1647
		Examiner Name	Not yet assigned LANDSMGR
		Attorney Docket Number	21402-245

U.S. PATENT DOCUMENTS

Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date if Appropriate
	A1						

FOREIGN PATENT DOCUMENTS

Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No
	B1				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
PL	C1	Adrain, C., et al. (2001). "Apoptosis-associated release of Smac/DIABLO from mitochondria requires active caspases and is blocked by Bcl-2." <i>Embo J</i> 20(23): 6627-6636.
	C2	Alderborn, A., et al. (2000). "Determination of single-nucleotide polymorphisms by real-time pyrophosphate DNA sequencing." <i>Genome Res</i> 10(8): 1249-1258.
↓	C3	Anderson, R. A. and G. N. Sando (1991). "Cloning and expression of cDNA encoding human lysosomal acid lipase/cholesteryl ester hydrolase. Similarities to gastric and lingual lipases." <i>J Biol Chem</i> 266(33): 22479-22484.
	C4	Anderson, R. A., et al. "In situ localization of the genetic locus encoding the lysosomal acid lipase/cholesteryl esterase (LIPA) deficient in Wolman disease to chromosome 10q23.2-q23.3." <i>Genomics</i> 15(1): 246-247.
PL	C5	Anderson, R. A., et al. (1994). "Mutations at the lysosomal acid cholesteryl ester hydrolase gene locus in Wolman disease." <i>Proc Natl Acad Sci U S A</i> 91(7): 2718-2722.
	C6	Appert, H. E., et al. (1986). "Isolation of a cDNA coding for human galactosyltransferase." <i>Biochem Biophys Res Commun</i> 139(1): 163-168.
	C7	Aslanidis, C., et al. (1994). "Genomic organization of the human lysosomal acid lipase gene (LIPA)." <i>Genomics</i> 20(2): 329-331.
	C8	Aslanidis, C., et al. (1996). "Genetic and biochemical evidence that CESD and Wolman disease are distinguished by residual lysosomal acid lipase activity." <i>Genomics</i> 33(1): 85-93.
	C9	Azuma, T. (1996). "[Gene analysis of acid proteases]." <i>Nippon Rinsho</i> 54(4): 1149-1154. (Summary in English).
	C10	Basso, D., et al. (1999). "[Biochemical markers of gastric functioning]." <i>Recenti Prog Med</i> 90(6): 342-345.
	C11	Beaudet, A. L., et al. (1977). "Cholesterol ester storage disease: clinical, biochemical, and pathological studies." <i>J Pediatr</i> 90(6): 910-914.
↓	C12	Besley, G. T., et al. (1984). "Cholesterol ester storage disease in an adult presenting with sea-blue histiocytosis." <i>Clin Genet</i> 26(3): 195-203.

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Express Mail N . EU282823960US
Date of Deposit: April 30, 2002

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OTHER PRIOR ART/NON-PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
PL	C13	Braun, C., et al. (1999). "Expression of calpain I messenger RNA in human renal cell carcinoma: correlation with lymph node metastasis and histological type." <i>Int J Cancer</i> 84(1): 6-9.
	C14	Burnstock, G. (2000). "P2X receptors in sensory neurones." <i>Br J Anaesth</i> 84(4): 476-488.
	C15	Burton, B. K. and S. P. Reed (1981). "Acid lipase cross-reacting material in Wolman disease and cholesterol ester storage disease." <i>Am J Hum Genet</i> 33(2): 203-208.
	C16	Cagle, P. T., et al. (1986). "Pulmonary hypertension in an 18-year-old girl with cholesteryl ester storage disease (CESD)." <i>Am J Med Genet</i> 24(4): 711-722.
	C17	Chatterjee, S., et al. (1986). "Evaluation of urinary cells in acid cholesteryl ester hydrolase deficiency." <i>Clin Genet</i> 29(5): 360-368.
	C18	Desai, P. K., et al. (1987). "Cholesteryl ester storage disease: pathologic changes in an affected fetus." <i>Am J Med Genet</i> 26(3): 689-698.
	C19	Di Bisceglie, A. M., et al. (1990). "Cholesteryl ester storage disease: hepatopathology and effects of therapy with lovastatin." <i>Hepatology</i> 11(5): 764-772.
	C20	Dong, C., et al. (2001). "ICOS co-stimulatory receptor is essential for T-cell activation and function." <i>Nature</i> 409(6816): 97-101.
	C21	Dong, H., et al. (1999). "B7-H1, a third member of the B7 family, co-stimulates T-cell proliferation and interleukin-10 secretion." <i>Nat Med</i> 5(12): 1365-1369.
	C22	Du, H., et al. (1998). "Targeted disruption of the mouse lysosomal acid lipase gene: long-term survival with massive cholesteryl ester and triglyceride storage." <i>Hum Mol Genet</i> 7(9): 1347-1354.
	C23	Fernandez-Alvarez, J., et al. (2001). "P2 receptor agonists stimulate insulin release from human pancreatic islets." <i>Pancreas</i> 22(1): 69-71.
	C24	Freeman, G. J., et al. (2000). "Engagement of the PD-1 immunoinhibitory receptor by a novel B7 family member leads to negative regulation of lymphocyte activation." <i>J Exp Med</i> 192(7): 1027-1034.
	C25	Fujiyama, J., et al. (1996). "A new mutation (LIPA Tyr22X) of lysosomal acid lipase gene in a Japanese patient with Wolman disease." <i>Hum Mutat</i> 8(4): 377-380.
	C26	Furukawa, K., et al. (1986). "Several galactosyltransferase activities are associated with mouse chromosome 17." <i>Genetics</i> 114(3): 983-991.
	C27	GenBank Accession Number: A01046 (16-MAR-1993)
	C28	GenBank Accession Number: A48764 (07-MAR-1997)
	C29	GenBank Accession Number: A58084 (05-MAR-1998)
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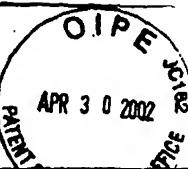
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Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.	RECEIVED
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OTHER PRIOR EXAMINER'S PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
BL	C84	GenBank Accession Number: AJ306593 (31-MAR-2001)
	C85	GenBank Accession Number: AK000088 (22-FEB-2000)
	C86	GenBank Accession Number: AK001894 (22-FEB-2000)
	C87	GenBank Accession Number: AK002637 (19-JAN-2002)
	C88	GenBank Accession Number: AK004724 (19-JAN-2002)
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	C90	GenBank Accession Number: AK006271 (19-JAN-2002)
	C91	GenBank Accession Number: AK013278 (19-JAN-2002)
	C92	GenBank Accession Number: AK016509 (19-JAN-2002)
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	C108	GenBank Accession Number: BAB28765 (19-JAN-2002)
	C109	GenBank Accession Number: BAB30277 (19-JAN-2002)
	C110	GenBank Accession Number: BAB55000 (15-MAY-2001)
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	C118	GenBank Accession Number: I50720 (24-SEP-1999)
	C119	GenBank Accession Number: I54553 (23-JUL-1999)
	C120	GenBank Accession Number: J04443 (07-JAN-1995)
	C121	GenBank Accession Number: JC2532 (05-NOV-1999)
	C122	GenBank Accession Number: JC7246 (21-JUL-2000)
✓	C123	GenBank Accession Number: M18667 (07-JAN-1995)

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OTHER PRIOR ART, NON-PATENT LITERATURE DOCUMENTS (U.S./INT'L)		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
PL	C124	GenBank Accession Number: NM_000235 (31-OCT-2000)
	C125	GenBank Accession Number: NM_002023 (31-OCT-2000)
	C126	GenBank Accession Number: NM_002630 (31-OCT-2000)
	C127	GenBank Accession Number: NM_002980 (03-FEB-2001)
	C128	GenBank Accession Number: NM_003482 (02-NOV-2000)
	C129	GenBank Accession Number: NM_003695 (17-AUG-2001)
	C130	GenBank Accession Number: NM_008596 (07-JAN-2002)
	C131	GenBank Accession Number: NM_010742 (07-JAN-2002)
	C132	GenBank Accession Number: NM_014143 (08-APR-2002)
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	C134	GenBank Accession Number: NM_016318 (03-FEB-2001)
	C135	GenBank Accession Number: NM_017658 (10-DEC-2001)
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	C145	GenBank Accession Number: NM_033309 (10-DEC-2001)
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	C147	GenBank Accession Number: NM_069751 (03-DEC-2001)
	C148	GenBank Accession Number: NM_070183 (03-DEC-2001)
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	C152	GenBank Accession Number: NP_002971 (03-FEB-2001)
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	C156	GenBank Accession Number: NP_034872 (07-JAN-2002)
	C157	GenBank Accession Number: NP_054862 (08-APR-2002)
	C158	GenBank Accession Number: NP_056605 (07-JAN-2002)
	C159	GenBank Accession Number: NP_057402 (03-FEB-2001)
	C160	GenBank Accession Number: NP_060128 (10-DEC-2001)
	C161	GenBank Accession Number: NP_065233 (07-JAN-2002)
	C162	GenBank Accession Number: NP_067330 (07-JAN-2002)
	C163	GenBank Accession Number: NP_067371 (07-JAN-2002)

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Page 6 of 9

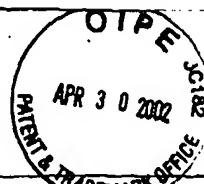
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OTHER PRIOR ART, NON-PATENT LITERATURE DOCUMENTS (00/2000)

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
ML	C164	GenBank Accession Number: NP_068693 (07-JAN-2002)
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	C173	GenBank Accession Number: NP_502584 (03-DEC-2001)
	C174	GenBank Accession Number: O75144 (16-OCT-2001)
	C175	GenBank Accession Number: P03955 (30-MAY-2000)
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	C179	GenBank Accession Number: Q06828 (16-OCT-2001)
	C180	GenBank Accession Number: Q14210 (16-OCT-2001)
	C181	GenBank Accession Number: Q9ES87 (01-MAR-2002)
	C182	GenBank Accession Number: Q9JHJ7 (01-MAR-2002)
	C183	GenBank Accession Number: Q9UBL9 (16-OCT-2001)
	C184	GenBank Accession Number: Q9VA27 (16-OCT-2001)
	C185	GenBank Accession Number: S41408 (18-JUN-1999)
	C186	GenBank Accession Number: T03455 (21-JUL-2000)
	C187	GenBank Accession Number: U13989 (11-APR-1995)
	C188	GenBank Accession Number: U28281 (14-FEB-1996)
	C189	GenBank Accession Number: U666837 (01-MAY-2001)
	C190	GenBank Accession Number: U96367 (03-MAR-1998)
	C191	GenBank Accession Number: X02309 (30-MAR-1995)
	C192	GenBank Accession Number: X72913 (07-OCT-1993)
	C193	GenBank Accession Number: XM_001782 (06-FEB-2002)
	C194	GenBank Accession Number: XM_007355 (07-FEB-2002)
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	C196	GenBank Accession Number: XM_036027 (07-FEB-2002)
	C197	GenBank Accession Number: XM_061214 (07-FEB-2002)
	C198	GenBank Accession Number: XM_061221 (07-FEB-2002)
	C199	GenBank Accession Number: XP_001782 (06-FEB-2002)
	C200	GenBank Accession Number: XP_007355 (07-FEB-2002)
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OTHER PRIOR ART OR RELATED PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
PL	C204	GenBank Accession Number: XP_061221 (07-FEB-2002)
	C205	GenBank Accession Number: Y12642 (09-FEB-2000)
	C206	Huang, P. and A. Oliff (2001). "Signaling pathways in apoptosis as potential targets for cancer therapy." <i>Trends Cell Biol</i> 11(8): 343-348.
	C207	Hutloff, A., et al. (1999). "ICOS is an inducible T-cell co-stimulator structurally and functionally related to CD28." <i>Nature</i> 397(6716): 263-266.
	C208	Koch, G., et al. (1981). "Assignment of LIPA, associated with human acid lipase deficiency, to human chromosome 10 and comparative assignment to mouse chromosome 19." <i>Somatic Cell Genet</i> 7(3): 345-358.
	C209	Ling, V., P. et al. (2000). "Cutting edge: identification of GL50, a novel B7-like protein that functionally binds to ICOS receptor." <i>J Immunol</i> 164(4): 1653-1657.
	C210	Lough, J., et al. (1970). "Wolman's disease. An electron microscopic, histochemical, and biochemical study." <i>Arch Pathol</i> 89(2): 103-110.
	C211	Madesh, M. and G. Hajnoczky (2001). "VDAC-dependent permeabilization of the outer mitochondrial membrane by superoxide induces rapid and massive cytochrome c release." <i>J Cell Biol</i> 155(6): 1003-1015.
	C212	Maslen, C. L., et al. (1995). "Occurrence of a mutation associated with Wolman disease in a family with cholesteryl ester storage disease." <i>J Inher Metab Dis</i> 18(5): 620-623.
	C213	Masri, K. A., et al. (1988). "Identification of the full-length coding sequence for human galactosyltransferase (beta-N-acetylglucosaminide: beta 1,4- galactosyltransferase)." <i>Biochem Biophys Res Commun</i> 157(2): 657-663.
	C214	McAdam, A. J., et al. (2001). "ICOS is critical for CD40-mediated antibody class switching." <i>Nature</i> 409(6816): 102-105.
	C215	Mengle-Gaw, L., et al. (1991). "Genomic structure and expression of human beta-1,4-galactosyltransferase." <i>Biochem Biophys Res Commun</i> 176(3): 1269-1276.
↓	C216	Nishi, M., et al. (1999). "Abnormal features in skeletal muscle from mice lacking mitsugumin29." <i>J Cell Biol</i> 147(7): 1473-1480.
	C217	Online Mendelian Inheritance in Man (OMIM): 102480
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	C219	Online Mendelian Inheritance in Man (OMIM): 109535
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	C233	Online Mendelian Inheritance in Man (OMIM): 176820
	C234	Online Mendelian Inheritance in Man (OMIM): 182099

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OTHER PRIOR AND NON-PATENT LITERATURE DOCUMENTS (200/2300)

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	C235	Online Mendelian Inheritance in Man (OMIM): 180700
	C236	Online Mendelian Inheritance in Man (OMIM): 229000
	C237	Online Mendelian Inheritance in Man (OMIM): 270000
	C238	Online Mendelian Inheritance in Man (OMIM): 301870
	C239	Online Mendelian Inheritance in Man (OMIM): 308230
	C240	Online Mendelian Inheritance in Man (OMIM): 600039
	C241	Online Mendelian Inheritance in Man (OMIM): 600616
	C242	Online Mendelian Inheritance in Man (OMIM): 601020
	C243	Online Mendelian Inheritance in Man (OMIM): 604558
PL	C244	Pagani, F., et al. (1996). "Expression of lysosomal acid lipase mutants detected in three patients with cholesteryl ester storage disease." <i>Hum Mol Genet</i> 5(10): 1611-1617.
	C245	Pankratov, Y., et al. (1998). "A purinergic component of the excitatory postsynaptic current mediated by P2X receptors in the CA1 neurons of the rat hippocampus." <i>Eur J Neurosci</i> 10(12): 3898-3902.
	C246	Prasad, R., et al. (1997). "Structure and expression pattern of human ALR, a novel gene with strong homology to ALL-1 involved in acute leukemia and to <i>Drosophila</i> trithorax." <i>Oncogene</i> 15(5): 549-560.
	C247	Reczek, D. and A. Bretscher (2001). "Identification of EPI64, a TBC/rabGAP domain-containing microvillar protein that binds to the first PDZ domain of EBP50 and E3KARP." <i>J Cell Biol</i> 153(1): 191-205.
	C248	Rennert, P., et al. (1997). "The IgV domain of human B7-2 (CD86) is sufficient to co-stimulate T lymphocytes and induce cytokine secretion." <i>Int Immunol</i> 9(6): 805-813.
	C249	Royta, M., et al. (1992). "Wolman disease: morphological, clinical and genetic studies on the first Scandinavian cases." <i>Clin Genet</i> 42(1): 1-7.
	C250	Ruetten, H. and C. Thiemermann (1997). "Effect of calpain inhibitor I, an inhibitor of the proteolysis of I kappa B, on the circulatory failure and multiple organ dysfunction caused by endotoxin in the rat." <i>Br J Pharmacol</i> 121(4): 695-704.
	C251	Schiff, L., et al. (1968). "Hepatic cholesterol ester storage disease, a familial disorder. I. Clinical aspects." <i>Am J Med</i> 44(4): 538-546.
	C252	Shaper, N. L., et al. (1986). "Bovine galactosyltransferase: identification of a clone by direct immunological screening of a cDNA expression library." <i>Proc Natl Acad Sci U S A</i> 83(6): 1573-1577.
	C253	Shimuta, M., et al. (1998). "Structure and expression of mitsugumin29 gene." <i>FEBS Lett</i> 431(2): 263-267.
	C254	Simons, M., et al. (2000). "Assembly of myelin by association of proteolipid protein with cholesterol- and galactosylceramide-rich membrane domains." <i>J Cell Biol</i> 151(1): 143-153.
	C255	SWALL (SPTR) Accession Number: O14687 (1-JAN-1998)
	C256	SWALL (SPTR) Accession Number: O62646 (1-AUG-1998)
	C257	SWALL (SPTR) Accession Number: Q16529 (1-OCT-1994)
	C258	SWALL (SPTR) Accession Number: Q64698 (1-NOV-1996)
	C259	SWALL (SPTR) Accession Number: Q9D798 (1-JUN-2001)
	C260	SWALL (SPTR) Accession Number: Q9NGX7 (1-OCT-2000)
	C261	SWALL (SPTR) Accession Number: Q9NZQ7 (1-OCT-2000)
	C262	SWALL (SPTR) Accession Number: Q9UHD6 (16-OCT-2001)
	C263	Tafuri, A., et al. (2001). "ICOS is essential for effective T-helper-cell responses." <i>Nature</i> 409(6816): 105-109.
C	C264	Taggart, R. T. (1992). "Genetic variation of human aspartic proteinases." <i>Scand J Clin Lab Invest Suppl</i> 210: 111-119.

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OTHER PRIOR ART OR RELEVANT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
RL	C265	Tanaka, E. (1999). "Update: genetic polymorphism of drug metabolizing enzymes in humans." <i>J Clin Pharm Ther</i> 24(5): 323-329.
1	C266	Wang, S., et al. (2000). "Costimulation of T cells by B7-H2, a B7-like molecule that binds ICOS." <i>Blood</i> 96(8): 2808-2813.
	C267	Warner, T. G., et al. (1980). "Separation and characterization of the acid lipase and neutral esterases from human liver." <i>Am J Hum Genet</i> 32(6): 869-879.
	C268	Yokoyama, S. and E. McCoy (1992). "Long-term treatment of a homozygous cholesteryl ester storage disease with combined cholestyramine and lovastatin." <i>J Inherit Metab Dis</i> 15(2): 291-292.
	C269	Yoshida, H. and M. Kuriyama (1990). "Genetic lipid storage disease with lysosomal acid lipase deficiency in rats." <i>Lab Anim Sci</i> 40(5): 486-489.
	C270	Yoshinaga, S. K., et al. (1999). "T-cell co-stimulation through B7RP-1 and ICOS." <i>Nature</i> 402(6763): 827-832.
	C271	Young, E. P. and A. D. Patrick (1970). "Deficiency of acid esterase activity in Wolman's disease." <i>Arch Dis Child</i> 45(243): 664-668.
1	C272	Yu, J. X., et al. (1994). "Prostasin is a novel human serine proteinase from seminal fluid. Purification, tissue distribution, and localization in prostate gland." <i>J Biol Chem</i> 269(29): 18843-18848.

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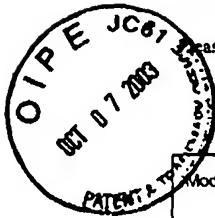
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		Filing Date 01/16/02
		First Named Inventor Padigaru
		Group Art Unit 1647
		Examiner Name Robert Landsman, Ph.D.
		Attorney Docket Number 21402-245 (Cura-545)

U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
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<i>PL</i>	B1	WO 93/09800	La Jolla Cancer Research Foundation and The Regents of the University of California and The University of Utah		May 27, 1993	X	
<i>PL</i>	B2	WO 00/55350	Human Genome Sciences, Inc.		September 21, 2000	X	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS							
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.					
<i>PL</i>	C273	Antonsson et al. (1993). Biochimica et Biophysica Acta 1174: 204-208.					
	C274	International Search Report for PCT/US02/04911, mailed August 12, 2003.					

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